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cium dimidiate; spores colorless, muriform 32 by 14 mic; paraphyses capillary; hypothecium colorless, K—, CaCl—, J+; spores yellow.

On shale, Santa Monica Range.

VERRUCARIA SUBMURALIS Nyl.

Thallus rimose-areolate, dull olive green to blackening; apothecia prominent, the bases covered by thallus; perithecium black, exposed at apex, with minute aperture, dimidiate; amphithecium brown; spores obovoid, ellipsoid, colorless, simple, 32 by 14 mic. Hym. Gel. J. + vinous; spores yellow.

On granite, San Gabriel Mountains at 1500 meters alt. July 1884.

VERRUCARIA SQUAMELLA Nyl.

Thallus of small crenate lobulated imbricated dull greenish squamules; apothecia innate, one to several in each squamule, the orifice indicated by a minute dark dot; spores simple, oblong, ellipsoid, colorless, 20–24 by 8 mic.; paraphyses indistinct.

On shaded earth among moss near Santa Monica. February, 1897.

The Botanical Society of America.

The third annual meeting was held at the University of Toronto on Tuesday and Wednesday, August 17 and 18, 1897, under the presidency of Prof. J. M. Coulter.

The address of the retiring president, Prof. C. E. Bessey, on "The Phylogeny and Taxonomy of the Angiosperms," was delivered on Tuesday evening.

The following were elected active members: Bradley Moore Davis, University of Chicago; Sir William Dawson, Montreal; Dr. James Ellis Humphrey, Johns Hopkins University; Prof. Daniel T. MacDougal, University of Minnesota; Prof. Frederick C. Newcombe, University of Michigan; Prof. Henry H. Rusby, New York College of Pharmacy; Prof. Harry L. Ruszel; University of Wisconsin; Dr. Joseph N. Rose, U. S. National Museum; Mr. Walter T. Swingle, U. S. Department of Agriculture.

The report of the Treasurer showed a balance of \$684.15.

Titles of the papers read are as follows :

"A Case of Ecblastesis and Axial Prolification in *Lepidium apetalum*," by B. L. Robinson.

"Movement of Protoplasm in coenocytic Hyphae," by J. C. Arthur.

"The Pollen Grain and the Antipodal Region," by John M. Coulter.

"The Transition Region in the Caryophyllales," by Frederick E. Clements, presented by Prof. C. E. Bessey.

"A Revision of the Species of *Picea* occurring in Northeastern North America," by D. P. Penhallow.

"Account of a recent Visit to the Island of Jamaica, and a Discussion of the Availability of that Island as a Location for a proposed Botanical Laboratory," by D. T. MacDougal and D. H. Campbell.

"Spermatozoids in *Zamia*," by H. J. Webber (by invitation of the Council).

"Bibliographical Difficulties," by Edward L. Greene.

Officers for the next year were elected as follows: President, N. L. Britton; Vice-President, J. C. Arthur; Secretary, Charles R. Barnes; Treasurer, Arthur Hollick; Councillors, B. L. Robinson, F. V. Coville. It was resolved that the next meeting be held in Boston, Mass., in August, 1898.

Titles of Papers read before the Section of Botany, A. A. A. S., Detroit Meeting, August, 1897.

The Section organized with Prof. G. F. Atkinson, Vice-President, in the chair, and Prof. F. C. Newcombe, Secretary.

Trillium grandiflorum (Michx.) Salisb.; its Variations, normal and teratological. By Prof. Charles A. Davis, Alma College, Alma, Mich.

A Discussion of the Structural Characters of the Order Pezizinae of Schroeter. By Dr. E. J. Durand, Cornell University, Ithaca, N. Y. (By title.)

The Taxonomic Value of Fruit Characters in the Genus *Galium*. By K. E. Wiegand, Cornell University, Ithaca, N. Y. (By title.)